



New and Changed Information

- [New and Changed Information](#), on page 1

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The table below summarizes the new and changed features for this document and shows the releases in which each feature is supported. Your software release might not support all the features in this document. For the latest caveats and feature information, see the Bug Search Tool at <https://tools.cisco.com/bugsearch/> and the release notes for your software release.

Table 1: New and Changed QoS Features

Feature	Description	Changed in Release
Shared buffer queuing on the F3 Series modules	Support for shared memory buffer queues on the F3 Series modules only.	6.2(10)
Fabric QoS Mapping	The Fabric QoS Mapping feature allows copying the default configuration and modifying the copied system queues that perform flow control on fabric traffic within the Cisco NX-OS device.	6.2(2)
4q8q policy templates that support 8 egress queues	Four 4q8q policy templates that support eight egress queues on the Cisco Nexus 7710 switch and Cisco Nexus 7718 switch only.	6.2(2)
Local Policy-Based Routing (PBR)	You can now configure local policy-based routing.	6.2(2)
default-nq-8e-4q4q- policy template for F2 modules	The default-nq-8e-4q4q-policy template supports four ingress buffers.	6.1.3
DSCP mapping for F2 modules	Support for DSCP mapping for F2 modules .	6.1(1)

Feature	Description	Changed in Release
Network QoS policy	You can now configure a network qos policy, which defines the characteristics of each CoS that is applicable network wide, across virtual device contexts (VDCs), and switches.	5.1(1)
Priority flow control (PFC)	You can now configure PFC, which prevents frame loss that is due to congestion.	5.1(1)
Fabric Extender (FEX) support	You can now configure QoS policies on the FEX interfaces.	5.1(1)
QoS dynamic variable lists	The qos-dynamic variable lists already configured class-map and policy-map names.	4.2(1)
Support for Session Manager	Allows you to verify the configuration and required resources prior to committing them to the running configuration.	4.2(1)
Match IPv6 ACLs.	You can now match IPv6, as well as IPv4, addresses.	4.1(2)
Only same variable for mutation mapping	You can match only the same variable with different values for mutation mapping.	4.1(2)